What is claimed is:

5 1. A group B streptogramin derivative of general formula:

in which

Y is a nitrogen atom or a radical =CR3-,

- 10 R₁ is a hydrogen atom, a radical alkyl (1 to 8 carbons), alkenyl (2 to 8 carbons), cycloalkyl (3 to 8 carbons), heterocyclyl which is saturated or unsaturated (3 to 8 members), phenyl, phenyl which is substituted (with one or more halogen atoms or hydroxyl, alkyl, alkyloxy, alkylthio, alkylsulphinyl, alkylsulphonyl, amino, alkylamino or dialkylamino radicals) or a radical NR'R", R' and R", which are identical or different,
 - NR'R", R' and R", which are identical or different, being capable of being hydrogen atoms or alkyl radicals (1 to 3 carbons), or being capable of forming together with the nitrogen atom to which they are attached a 3-

to 8-membered heterocycle optionally containing another heteroatom chosen from oxygen, sulphur or nitrogen which is optionally substituted (with a radical alkyl, alkenyl (2 to 8 carbons), cycloalkyl (3 to 6 carbons),

- heterocyclyl which is saturated or unsaturated (4 to 6 members), benzyl, phenyl or phenyl which is substituted as defined above for the definition of R_1), or alternatively when Y is a radical = CR_3 -, R_1 may also be halomethyl, hydroxymethyl, alkyloxymethyl,
- alkylthiomethyl in which the alkyl portion is optionally substituted with NR'R", alkylsulphinylmethyl, alkylsulphonylmethyl, acyloxymethyl, benzoyloxymethyl, cyclopropylaminomethyl or $-(CH_2)_nNR'R"$ (n being an integer from 1 to 4 and R'
- and R" being defined as above), or alternatively if R_3 is a hydrogen atom, R_1 may also be formyl, carboxyl, alkyloxycarbonyl, or -CONR'R" for which R' and R" are defined as above,
- or alternatively when Y is a nitrogen atom, R₁ may also be a radical -XR° for which X is an oxygen or sulphur atom, a sulphinyl or sulphonyl radical, or an NH radical and R° is a radical alkyl (1 to 8 carbons), cycloalkyl (3 to 6 carbons), heterocyclyl which is saturated or unsaturated (3 to 8 members),
- heterocyclylmethyl (3 to 8 members) in which the heterocyclyl portion is attached to the methyl radical by a carbon atom, phenyl, phenyl which is substituted (with one or more halogen atoms or hydroxyl, alkyl,

alkyloxy, alkylthio, alkylsulphinyl, alkylsulphonyl, amino, alkylamino or dialkylamino radicals) or a radical $-(CH_2)_nNR'R''$ for which R' and R'' are defined as above and n is an integer from 2 to 4, or alternatively if Y represents NH R° may also respect to R° .

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if X represents NH, R° may also represent the hydrogen atom,

 R_2 is a hydrogen atom or an alkyl radical (1 to 3 carbons),

 R_3 is a hydrogen atom or an alkyl, carboxyl,

alkyloxycarbonyl or carbamoyl radical having the structure -CO-NR'R" in which R' and R" are defined as above,

Ra is a methyl or ethyl radical, and Rb, Rc and Rd have the definitions below:

- 15 1) Rb and Rc are hydrogen atoms and Rd is a hydrogen atom or a methylamino or dimethylamino radical,
- 2) Rb is a hydrogen atom, Rc is a hydrogen, chlorine or bromine atom, or represents an alkenyl radical (3 to 5C), and Rd is a radical -NMe-R''' for which R''' represents a radical alkyl, hydroxyalkyl (2 to 4C), or alkenyl (2 to 8C) which is optionally substituted with phenyl, cycloalkyl(3 to 6C) methyl, benzyl, benzyl which is substituted (with one or more halogen atoms or hydroxyl, alkyl, alkyloxy, alkylthio, alkylsulphinyl, alkylsulphonyl, amino, alkylamino or dialkylamino radicals), heterocyclylmethyl or heterocyclylethyl

in which the heterocyclyl portion is saturated or

unsaturated and contains 5 to 6 members and 1 or 2 heteroatoms chosen from sulphur, oxygen or nitrogen which is optionally substituted (with a radical alkyl, alkenyl (2 to 8 carbons),

- 5 cycloalkyl (3 to 6 carbons), heterocyclyl which is saturated or unsaturated (4 to 6 members), phenyl, phenyl which is substituted as defined above for the definition of R_1 or benzyl), or alternatively R''' represents a radical cyanomethyl, or $-CH_2CORe$ 10 for which either Re is -OR'e, R'e being hydrogen, alkyl (1 to 6 carbons), alkenyl (2 to 6 carbons), benzyl or heterocyclylmethyl in which the heterocyclyl portion contains 5 to 6 members and 1or 2 heteroatoms chosen from sulphur, oxygen or 15 nitrogen, or Re is an alkylamino, alkylmethylamino, heterocyclylamino or heterocyclylmethylamino radical in which the
- heterocyclyl portion is saturated and contains 5
 to 6 members and 1 or 2 heteroatoms chosen from
 sulphur, oxygen or nitrogen which is optionally
 substituted with an alkyl, benzyl or
 alkyloxycarbonyl radical,
- Rb is a hydrogen atom, Rd is a radical -NHCH $_3$ or -N(CH $_3$) $_2$ and Rc is a chlorine or bromine atom, or represents an alkenyl radical (3 to 5C), (if Rd is -N(CH $_3$) $_2$),
 - 4) Rb and Rd are hydrogen atoms and Rc is a halogen atom, or an alkylamino or dialkylamino, alkyloxy,

trifluoromethoxy, thioalkyl, alkyl (1 to 6C) or trihalomethyl radical,

- Ab and Rc are hydrogen atoms and Rd is a halogen atom, or an ethylamino, diethylamino or methylethylamino, alkyloxy or trifluoromethoxy, alkylthio, alkylsulphinyl, alkylsulphonyl, alkyl (1 to 6C), phenyl or trihalomethyl radical,
- Rb is a hydrogen atom and Rc is a halogen atom or an alkylamino or dialkylamino, alkyloxy or trifluoromethoxy, thioalkyl or alkyl (1 to 3C) radical, and Rd is a halogen atom or an amino, alkylamino or dialkylamino, alkyloxy or trifluoromethoxy, thioalkyl, alkyl (1 to 6C) or trihalomethyl radical,
- 15 7) Rc is a hydrogen atom and Rb and Rd represent a methyl radical,

the alkyl, alkenyl or acyl radicals being straight or branched and, unless otherwise stated, the alkyl or acyl radicals containing 1 to 4 carbon atoms, as well as its salts when they exist.

2. A group B streptogramin derivative according to claim 1, wherein Y is a nitrogen atom or a radical $=CR_3-$,

25 R₁ is a hydrogen atom, a radical alkyl (1 to 8 carbons), cycloalkyl (3 to 8 carbons), heterocyclyl which is saturated or unsaturated (3 to 8 members), phenyl, phenyl which is substituted (with one or more amino,

alkylamino or dialkylamino radicals) or a radical NR'R", R' and R", which are identical or different, being capable of being hydrogen atoms or alkyl radicals (1 to 3 carbons), or being capable of forming together

- with the nitrogen atom to which they are attached a 3to 8-membered heterocycle optionally containing another
 heteroatom chosen from oxygen, sulphur or nitrogen
 which is optionally substituted with an alkyl radical,
 or alternatively when Y is a radical =CR3-, R1 may also
- be halomethyl, hydroxymethyl, alkylthiomethyl in which the alkyl portion is optionally substituted with NR'R", alkylsulphinylmethyl, alkylsulphonylmethyl, acyloxymethyl, cyclopropylaminomethyl or -(CH₂)_nNR'R" (no being an integer from 1 to 4 and R' and R" being
- defined as above), or alternatively if R_3 is a hydrogen atom, R_1 may also be formyl or -CONR'R" for which R' and R" are defined as above,
 - or alternatively when Y is a nitrogen atom, R_1 may also be a radical -XR° for which X is an oxygen or sulphur atom, a sulphinyl or sulphonyl radical, or an NH radical and R° is a radical alkyl (1 to 8 carbons), heterocyclylmethyl (3 to 8 members) in which the

heterocyclyl portion is attached to the methyl radical

by a carbon atom, or a radical $-(CH_2)_nNR'R''$ for which R'

25 and R" are defined as above and n is an integer from 2 to 4,

 R_2 is a hydrogen atom or an alkyl radical (1 to 3 carbons),

 R_3 is a hydrogen atom or a carboxyl or alkyloxycarbonyl radical,

Ra is a methyl or ethyl radical, and Rb, Rc and Rd have the definitions below:

- Rb and Rc are hydrogen atoms and Rd is a hydrogen atom or a methylamino or dimethylamino radical,
 - Rb is a hydrogen atom, Rd is a radical $-NHCH_3$ or $-N(CH_3)_2$ and Rc is a chlorine or bromine atom, as well as its salts when they exist.

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 A group B streptogramin derivative according to claim 1, wherein

Y is a nitrogen atom or a radical $=CR_3-$,

 R_1 is a hydrogen atom, a radical alkyl (1 to 3 carbons), cycloalkyl (3 to 8 carbons), heterocyclyl which is saturated or unsaturated (3 to 8 members), phenyl, phenyl which is substituted with an amino radical, or alternatively when Y is a radical = CR_3 -, R_1 may also be acyloxymethyl,

- or alternatively when Y is a nitrogen atom, R_1 may also be a radical -XR° for which X is an oxygen or sulphur atom or a radical NH and R° is an alkyl radical (1 to 4 carbons) or a radical -(CH₂)_nNR'R" for which R' and R" which are identical or different may be hydrogen atoms
- or alkyl radicals (1 to 3 carbons), or form together with the nitrogen atom to which they are attached a 3-to 8-membered heterocycle optionally containing another heteroatom chosen from oxygen, sulphur or nitrogen

optionally substituted with an alkyl radical, and n is an integer from 2 to 4, $\,$

 R_2 is a hydrogen atom or an alkyl radical (1 to 3 carbons),

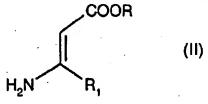
- R_3 is a hydrogen atom or an alkyloxycarbonyl radical, Ra is a methyl or ethyl radical, and Rb, Rc and Rd have the definitions below:
 - Rb and Rc are hydrogen atoms and Rd is a hydrogen atom or a methylamino or dimethylamino radical,
- 10 · Rb is a hydrogen atom, Rd is a radical $-NHCH_3$ or $-N(CH_3)_2$ and Rc is a chlorine atom, as well as its salts when they exist.
- 4. A group B streptogramin derivative according to claim 1, which is $2"-methylpyrido[2,3-5\gamma,5\delta]pristinamycin I_E.$
 - 5. A group B streptogramin derivative according to claim 1, which is
- 20 2"-cyclopropylpyrido[2,3-5 γ ,5 δ]pristinamycin I_E.
 - 6. A group B streptogramin derivative according to claim 1, which is $pyrido[2,3-5\gamma,5\delta]pristinamycin \ I_E.$

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7. A group B streptogramin derivative according to claim 1, which is

2"-ethylpyrido[2,3-5 γ ,5 δ](4 ζ -methylamino)-(4 ζ -dedimethylamino)pristinamycin I_E.

- 8. A group B streptogramin derivative scording to claim 1, which is $4\epsilon \text{chloro-2"-(ethyl)-pyrido[2,3-5\gamma,5\delta](4\zeta-methylamino)-(4\zeta-dedimethylamino)pristinamycin } I_E.$
- 9. A process for the preparation of a streptogramin derivative according to claim 1, wherein Y is a radical = CR_3 and R_3 is other than an alkyl radical, wherein an enamino ester of general formula:



in which R_1 is defined as above and R represents the residue of an easily hydrolysable ester or an alkyl radical, is reacted with the corresponding 5δ -methylenepristinamycin derivative of general formula:

in which Ra, Rb, Rc and Rd are defined as for claim 1, R_2 is defined as for claim 1 and R_4 is a hydrogen atom, or R_2 represents a hydrogen atom and R_4 is a hydrogen atom or a dialkylamino radical, followed where appropriate by the conversion of the ester obtained to an acid, and then optionally by its decarboxylation, or by the conversion of the acid to a carbamoyl radical according to the derivative according to claim 1 desired, and/or followed where appropriate by the 10 conversion of the derivative according to claim 1 for which R_1 is hydroxymethyl to a derivative for which R_1 is a radical formyl, and then where appropriate carboxyl, and then where appropriate alkyloxycarbonyl or -CONR'R" and/or optionally followed by the mono-N-demethylation of the derivative according to claim 1for which Rd is a dimethylamino radical to a derivative for which Rd is methylamino, and then optionally followed by the conversion to a salt when they exist.

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10. A process for the preparation of a streptogramin derivative according to claim 1, for which Y is a radical $=CR_3-$ and R_3 is a hydrogen atom or an alkyl radical, wherein a pyridinium salt of general formula:

$$R_3$$
 R_5 (IV)

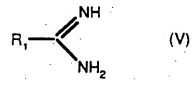
in which R_3 is defined as above, R_5 is the residue of a ketone R_1 -CO- for which R_1 is defined as above with the exception of representing a radical -NR'R", or optionally represents a protected hydroxyl radical or a nitrophenyl radical or alternatively R_5 represents the cyano radical so as to obtain a streptogramin derivative for which R_1 is an amino radical, and X^- is an anion, is reacted with the corresponding 5δ methylenepristinamycin derivative of general formula (III) defined in claim 2, in which R_4 is a hydrogen atom and Ra, Rb, Rc, Rd and R_2 are defined as for claim 1, optionally followed by the liberation of the hydroxyl radical or where appropriate the reduction of the nitrophenyl radical so as to obtain a derivative for which R_1 is an aminophenyl radical, or optionally followed by the reaction of an amine of general formula HNR'R" with the streptogramin derivative according to claim 1, for which R_1 is halomethyl, so as to obtain the

25 corresponding derivative for which R_1 is a radical

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-CH₂NR'R", or where appropriate by the conversion of the derivative according to claim 1 for which R_1 is hydroxymethyl to a derivative for which R_1 is a radical formyl, and then where appropriate carboxyl, and then where appropriate alkyloxycarbonyl or -CONR'R" and/or optionally the mono-N-demethylation of the derivative according to claim 1 for which Rd is a dimethylamino radical to a derivative for which Rd is methylamino, and then optionally followed by the conversion to a salt, when they exist.

11. A process for the preparation of a streptogramin derivative according to claim 1, for which Y is a nitrogen atom, wherein an amidine salt or a derivative of isourea or of isothiourea of general formula:



in which R_1 is defined as for claim 1, with the exception of representing a radical XR° for which X is sulphonyl or sulphinyl, or a radical NR'R" other than amino, is reacted with a streptogramin derivative of general formula (III) as defined in claim 2, for which R_4 is dialkylamino, and then in order to obtain a streptogramin derivative according to claim 1, for which R_1 is a radical XR° for which X is sulphonyl or sulphinyl, the corresponding derivative for which X is

a sulphur atom is oxidized, and then in order to obtain the streptogramin derivative according to claim 1, for which R₁ is a radical NR'R", the sulphonyl derivative obtained is substituted by the action of the corresponding amine HNR'R" and/or optionally in order to obtain a derivative for which Rd is methylamino, the mono-N-demethylation of the derivative according to claim 1, for which Rd is a dimethylamino radical is carried out, and then optionally converted to a salt, when they exist.

12. A process for the preparation of a streptogramin derivative according to claim 1, for which Y is a radical =CR₃-, R₁ is a hydrogen atom, an alkyl, alkenyl, cycloalkyl, aromatic heterocyclyl, phenyl, substituted phenyl, halomethyl, hydroxymethyl, alkyloxymethyl, alkylthiomethyl, alkylsulphinylmethyl, alkylsulphonylmethyl or -(CH₂)_nNR'R" radical, or alternatively when R₃ is a hydrogen atom, for which R₁ is formyl, carboxyl, alkyloxycarbonyl or -CONR'R" as defined for claim 1 and R₂ is a hydrogen atom, wherein the formyl enamine of general formula:

$$R_3$$
 R_1
 R_1
(VI)

25 in which R_1 is a hydrogen atom, an alkyl, alkenyl, cycloalkyl, aromatic heterocyclyl, phenyl, substituted

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phenyl, hydroxymethyl, alkyloxymethyl, alkylthiomethyl or $-(CH_2)_nNR'R''$ radical and R_3 is defined as for claim l, with the exception of representing carboxyl, is reacted with a streptogramin derivative of general

5 formula:

in which Ra, Rb, Rc and Rd are defined as for claim 1, followed where appropriate by the conversion of the derivative for which R3 is amide or ester to a derivative for which R3 is carboxyl and/or where appropriate the oxidation of the derivative for which R1 is alkylthiomethyl to a derivative for which R1 is alkylsulphinylmethyl or alkylsulphonylmethyl, or where appropriate the conversion of the derivative for which R1 is a hydroxymethyl radical to a derivative for which R1 is halomethyl, and then where appropriate the conversion of the derivative for which R1 is halomethyl to a derivative for which R1 is -CH2NR'R", or where appropriate the conversion of the derivative according to claim 1, for which R1 is hydroxymethyl to a

derivative for which R_1 is a radical formyl, and then where appropriate carboxyl, alkyloxycarbonyl and/or -CONR'R", and/or optionally the mono-N-demethylation of the derivative according to claim 1, for which Rd is a dimethylamino radical to a derivative for which Rd is methylamino, and then optionally followed by conversion to a salt, when they exist.

- 13. A process for the preparation of a streptogramin derivative according to claim 1, for which Rd is methylamino, wherein the mono-N-demethylation of the derivative according to claim 1, for which Rd is a dimethylamino radical, is carried out and then the streptogramin derivative obtained is optionally converted to a salt.
 - 14. A streptogramin derivative of general formula:

in which Ra is a methyl radical and Rb, Rc and Rd are defined as in claim 1, or Ra is an ethyl radical and Rb, Rc and Rd are defined as in claim 1 in 2) to 7) and R5 represents a disubstituted methylenyl radical having \mathbf{R} .

the structure R_2 for which R_2 and R_4 are defined as above, or alternatively in which R_4 , R_5 , R_5 and R_6 are defined as for claim 1 in 2), except for R_5 is a hydrogen atom.

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- a group B streptogramin derivative according to claim

 1, in a pure state or in the form of a combination with

 at least one group A streptogramin derivative, where

 appropriate in the form of a salt, and/or in the form

 of a combination with one or more compatible and

 pharmaceutically acceptable diluents or adjuvants.
- 16. A pharmaceutical composition according
 20 to claim 15, wherein the group A streptogramin
 derivative is chosen from pristinamycin II_A,
 pristinamycin II_B, pristinamycin II_C, pristinamycin II_D,
 pristinamycin II_E, pristinamycin II_F, pristinamycin II_G
 or from known semisynthetic derivatives or from the
 25 derivatives of general formula:

in which R₁ is a radical -NR'R" for which R' is a hydrogen atom or a methyl radical, R" is a hydrogen atom, an alkyl, cycloalkyl, allyl, propargyl, benzyl or -OR''', R''' radical being a hydrogen atom, an alkyl, cycloalkyl, allyl, propargyl or benzyl radical, or -NR₃R₄, it being possible for R₃ and R₄ to represent a methyl radical, or to form together with the nitrogen atom to which they are attached a saturated or unsaturated 4- or 5-membered heterocycle which may in addition contain another heteroatom chosen from nitrogen, oxygen or sulphur, R₂ is a hydrogen atom or a methyl or ethyl radical, and the bond --- represents a single bond or a double bond, as well as their salts.

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17. A combination of a group B streptogramin derivative according to claim 1 with at least one group A streptogramin derivative as defined in claim 16.